

Explosion Proof Submersible Sewage Pumps

SERIES

3SDX

Class 1, Groups C and D Hazardous Locations

NOMENCLATURE DESCRIPTION

1st - 4th Characters – Discharge Size and Type

3SDX = 3" discharge, 2½" solids handling, dual seal,
Explosion Proof Sewage Pump

5th Character - Lower (outer) Mechanical Seal

The upper seal is carbon/rotary, ceramic/stationary, with Buna elastomers and 304SS metal parts – it is non-modifiable. The 4th character identifies which lower (outer) seal is to be ordered:

- 1 = Standard Lower Seal – Carbon/rotary, ceramic/stationary, Buna elastomers, 304SS metal parts
- 3 = Optional Lower Seal - Silicon carbide/rotary, silicon carbide/stationary, Viton, 304SS
- 5 = Optional Lower Seal - Silicon carbide/rotary, tungsten carbide/stationary, Viton, 304SS

6th Character – Cycle/RPM

- 2 = 60 Hz/1750 RPM
- 6 = 50 Hz/1450 RPM

7th Character – Horsepower

- F = 1½ HP
- G = 2 HP
- H = 3 HP
- J = 5 HP
- K = 7½ HP

8th Character – Phase/Voltage/Hertz

- 1 = single phase, 230 V (up to 3 HP), 60
- 2 = three phase, 200 V, 60
- 3 = three phase, 230 V, 60
- 4 = three phase, 460 V, 60
- 5 = three phase, 575 V, 60
- 6 = three phase, 380 V, 50
- 8 = single phase, 208 V, 60
- 9 = single phase, 220 V, 50

9th Character – Impeller Diameter

- K = 5.81" - 1½ HP at 1.15 service factor
- J = 6.12" - 2 HP at 1.15 service factor
- H = 6.75" - 3 HP at 1.15 service factor
- G = 7.62" - 5 HP at 1.15 service factor
- F = 8.31" - 7½ HP at 1.15 service factor
- T = Special trim

10th Character – Cord Length (Power and Sensor)

- C = 25' standard length
- F = 50' optional length

11th/12th Characters – Options

- B = Bronze impeller
- E = Epoxy paint
- BE = Both

Example: Catalog Order Number 3SDX12F2KC = (3SDX) a 3" discharge, 2.5" solids pump with (1) standard seals, (2) 60 Hz/1750 rpm, (F) 1.5 hp, (2) 200 volt/three phase, (K) 5.81" impeller diameter, (C) standard 25' cord.

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